AMENDMENTS TO THE SPECIFICATION

On page 2 of the specification, please replace the paragraph from lines 9 to 17 with the following amended paragraph:

The present invention is a method and an apparatus for displaying the confidence interval of a source reconstruction result. In one embodiment, an Equivalent Current Dipole (ECD) model is used to perform the source reconstruction. The ECD model defines a current dipole in terms of its location, strength and orientation, along with an estimate of its reliability (confidence volume). When using the ECD model, one of the vectors generated represents the ~~sourde~~ source dipole location (the more important one since it represents the result of the non-linear least squares fit procedure). Another vector that is reconstructed represents the dipole orientation (solution of a linear inverse problem), so both result vectors should be distinguished. In order to compute the best fit field, both result vectors are needed.